CCMC in Numbers
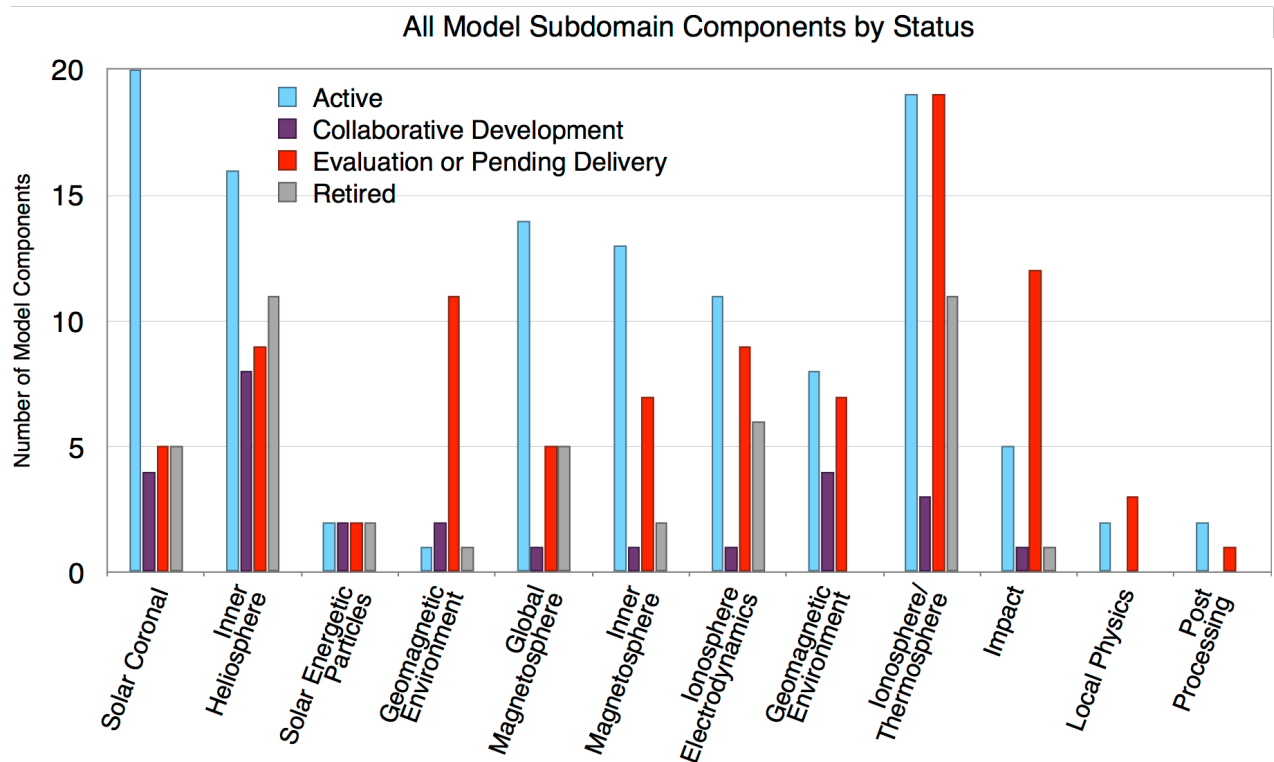
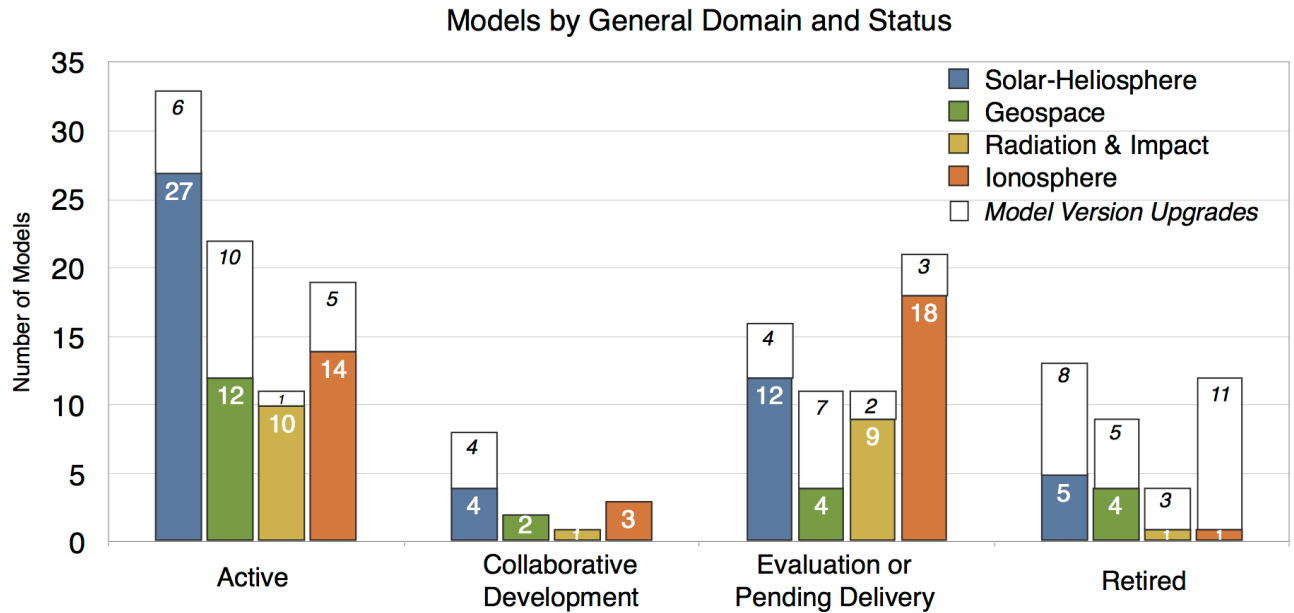## All Model Subdomain Components by Status

- *histogram of all <u>models residing at the CCMC</u> (including different model versions and combinations) by their subdomain components and by their status – active (A), evaluation (E), or pending delivery (P), collaborative development (D), and retired (R).*
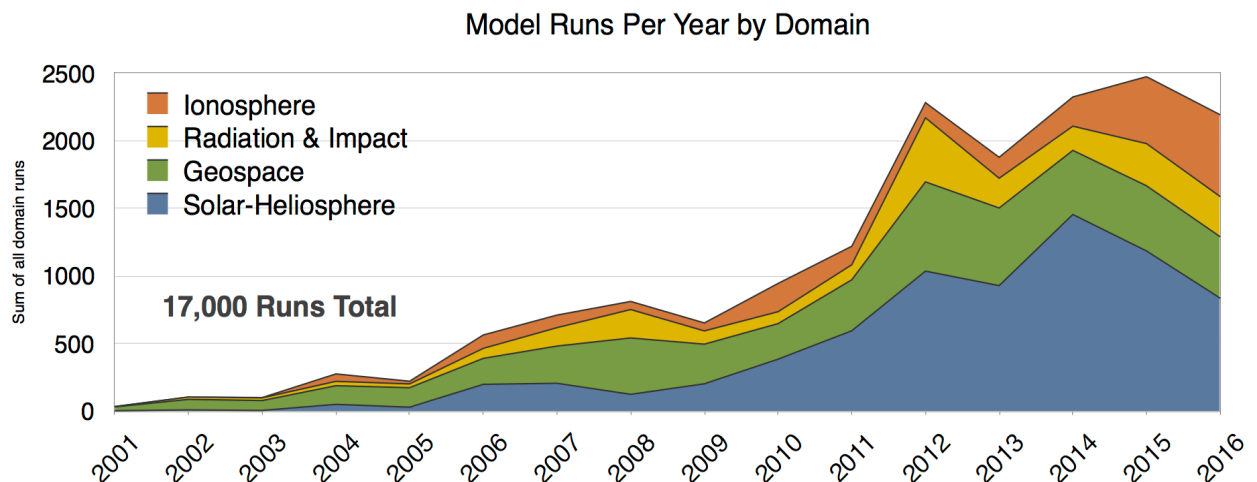

Models by General Domain and Status

- *Colored bars: number of distinct models by domain and status. Multiple model versions are counted separately only if the versions required substantial upgrades. White bars: non-distinct model versions/combinations in each category, representing minor upgrades.*

- *Across all domains, there are currently 63 distinct models out of 85 in active status (10/63 involved in collaborative development), 27 distinct models out of 37 models are under evaluation (10 are minor model upgrades), and 16 distinct models out of 22 are expected to be delivered in the next couple of years (6 are minor model upgrades). The radiation & impact and ionosphere domains make up 63% of distinct models in evaluation and pending delivery status.*

Models by General Domain and Status

Model Runs Per Year by Domain
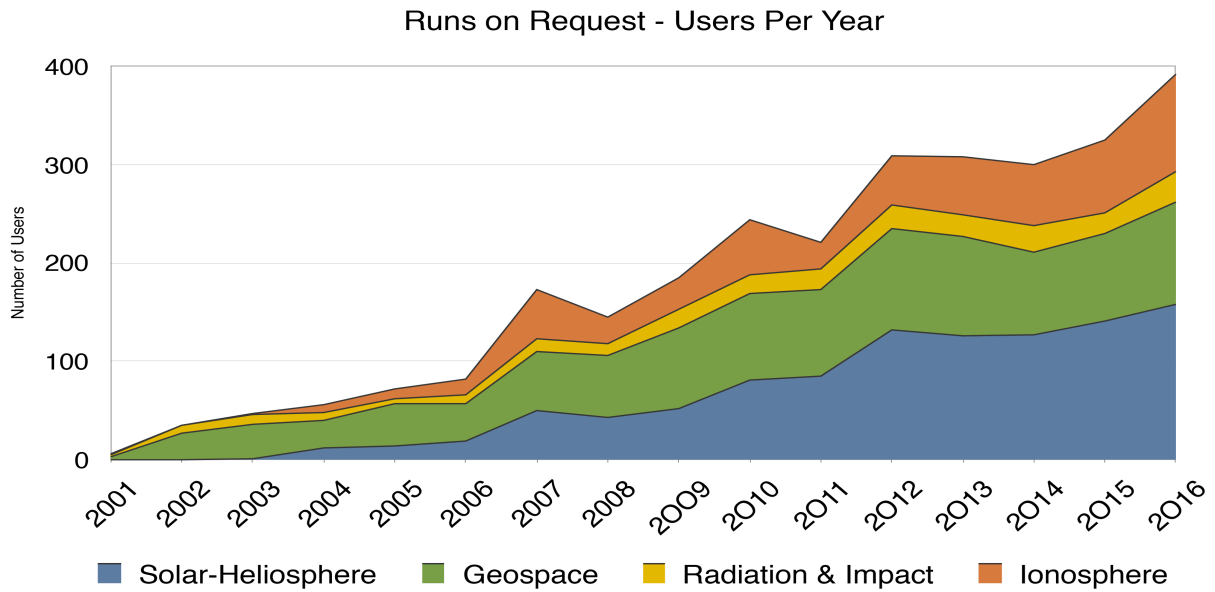
- *Stacked area chart showing the sum of all simulation runs in all model domains each year at CCMC from 2001 through 2016. On average (2012–2016) we received 169 run requests each month by 27 users (90 Solar-Heliosphere, 52 Geospace-Radiation & Impact, 27 Ionosphere).*

Note: the peak in the number of runs in 2014-2015 is caused by a single ENLIL user executing 1200+ runs over two years.

Runs on Request - Users Per Year

Legend: Solar-Heliosphere, Geospace, Radiation & Impact, Ionosphere

Runs-On-Request (RoR)

	Average (over 5 years)	**Peak month (2016)**
Monthly RoR requests	**170**	
Solar-Heliosphere	90	150
Geospace	44	70
Radiation and Impact	8	10
Ionosphere	27	112
Monthly RoR requestors	**27**	
Solar-Heliosphere	11	42
Geospace	8	22
Radiation and Impact	2	4
Ionosphere	6	17

CCMC-vis

Monthly vis requests	8250	March 2017
Monthly movie requests	120	March 2017
275 average idl vis per day		
29 average movie requests per week		
8K vis requests per month		

Change log (since 2009)

since 2009	138	March 2017

CDF output requests (for models where CDF files were requested)

- Total users who could have requested cdf output: **161**
- Total users who did request cdf output: **55**

2016 Runs performed:

	CORHEL	ENLIL	GM_SWMF	LFM	OpenGGCM	Total
All	12	360	292	77	80	821
Converted	1	3	111	19	15	149

2016 Runs performed by Unique Users:

	CORHEL	ENLIL	GM_SWMF	LFM	OpenGGCM
All	9	54	86	16	25
Converted	1	2	47	7	10

Websites

CCMC (from 2016)

55K users in 2016
Users from over **170** countries

iSWA (from 2016)

33K users in 2016
Total Data Streams: **660** (active: 497)
Total Cygnets: **426** (active: 261)

CME Scoreboard

Total Registered Users: **163**
Total Unique Forecasting Method**: 22**
Total CME since 2010: **122**
Total Predictions since 2010**: 469**
Total Users visited the page from over 62 countries in 2016: **1455**

DONKI

Total Registered Users: **163**
Total number of Flare (FLR): **497**
Total number of Solar Energetic Particles (SEP): **136**
Total number of Coronal Mass Ejection (CME): **2569**
Total number of Interplanetary Shock/CME arrival (IPS): **621**

Total number of Magnetopause Crossing (MPC): **30**
Total number of Geomagnetic Storm (GST): **85**
Total number of Radiation Belt Enhancements (RBE): **68**
Total number of High Speed Stream (HSS): **154**
Total number of WSA-ENLIL+Cone simulations: **1626**
Total Notifications sent: **1552**
Total Users visited the page from over 74 countries in 2016: **1671**

Mobile APPS

IPHONE APP – **149K** installations since 2011
Android APP – **152K** installations since 2013
TOTAL **301K** Mobile Apps Downloads